

**Program Overview for
IEEE/ACM ASONAM 2018 -- FOSINT-SI 2018 – HI-BI-BI 2018 – FAB 2018 and collocated workshops**

7:30	Registration				
Tuesday 28 August 2018					
8:30 - 10:00	MSNDS 2018 Coral	MaHIN 2018 -- Cristal	8:30 - 10:00	Tutorial 1 – P1 -- Vivaldi 1	Tutorial 2 – P1 -- Vivaldi 2
10:00 - 10:30	Coffee Break --- Vivaldi+Garden+Rossini				
10:30 - 12:00	MSNDS 2018 Coral	SNAST 2018 -- Cristal	10:30 - 12:00	Tutorial 1 – P2 -- Vivaldi 1	Tutorial 2 – P2 -- Vivaldi 2
12:00-13:30	Lunch --- Vivaldi+Garden+Rossini				
13:30- 15:30	SNAA 2018 Coral	SNAST 2018 -- Cristal	13:30- 15:30	Tutorial 3 – P1 -- Vivaldi 1	Tutorial 4 -- Vivaldi 2
15:30-16:00	Coffee Break --- Vivaldi+Garden+Rossini				
16:00-17:20	SI 2018 Coral	PhD Forum full papers session and feedback to students Posters/Demos madness session for main conference, symposiums and workshops -- Cristal	16:00-17:00	Tutorial 3 – P2 -- Vivaldi 1	Tutorial 5– P1 -- Vivaldi 2
			17:00-18:00	Tutorial 3 – P2 (continue) -- Vivaldi 1	Tutorial 5 – P2 -- Vivaldi 2
			18:00-19:00		Tutorial 5 – P3 -- Vivaldi 2
17:20-19:00	DYNO 2018 Coral				
19:30-21:30	Reception (posters and demos) -- --- Vivaldi+Garden+Rossini				

Tuesday 28 August 2018

3 hours	Tutorial 1 - Wikimedia Public (Research) Resources Diego Saez-Trumper / Wikimedia Foundation
3 hours	Tutorial 2 - Generative models of online discussion threads Pablo Aragon, Vicenc Gomez, Alberto Lumbreras, and Andreas Kaltenbrunner Universitat Pompeu Fabra Eurecat, Centre Tecnològic de Catalunya
3 ½ hours	Tutorial 3 - Decide: Python Software Program for the Analysis of Collective Decisions Frans N. Stokman, Jacob Dijkstra, Jelmer Draaijer (University of Groningen, The Netherlands) Marcel van Assen (University of Tilburg and Utrecht University, The Netherlands)
2 hours	Tutorial 4 - Basics of Privacy on Social Networks Julian Salas (Internet Interdisciplinary Institute (IN3), Universitat Oberta de Catalunya (UOC), Center for Cybersecurity Research of Catalonia (CYBERCAT) Barcelona, Spain)
3 hours	Tutorial 5 - Information Diffusion on Social Networks: From the Traditional Setting to the Future Blockchain-Based My T. Thai (Computer & Information Science & Engineering Department University of Florida)

29 th August	7:30	Registration					
	09:00—09:30	Opening Session					
	09:30—10:30	Plenary 1	Springer SNAM Keynote -- Aidong Zhang, The State University of New York, USA -- Verdi Chair:				
	10:30—11:00	Coffee Break --- Vivaldi+Garden+Rossini					
	11:00—12:40	Session 1	1A: Community Detection and Characterization -- Verdi	1B: Network Structure Analysis I -- Vivaldi 1	1C: Violence I -- Vivaldi 2	FOSINT-SI -S1: Coral	Multidisciplinary S1: Cristal
	12:40—14:00	Lunch --- Rubi+Zafir meeting rooms					
	14:00 – 15:00	Plenary 2	Emma Spiro, University of Washington, USA -- Verdi Chair:				
	15:00—16:00	Session 2	2A: Modeling I -- Verdi	2B: Segregation -- Vivaldi 1	2C: Network Structure Analysis II-- Vivaldi 2	FOSINT-SI S2: Coral	Multidisciplinary S2: Cristal
	16:00—16:30	Coffee Break --- Vivaldi+Garden+Rossini					
	16:30—18:10	Session 3	3A: Recommendation -- Verdi	3B: Data Quality -- Vivaldi 1	3C: Modeling Social Bots	FOSINT-SI S3: Coral	Multidisciplinary S3: Cristal
30 th August	7:30	Registration					
	0830--0930	Plenary 3	Christoph Stadtfeld, ETH Zürich, Switzerland -- Verdi Chair:				
	09:30—10:30	Session 4	4A: Damage Characterization -- Verdi	4B: Wikipedia Analysis -- Vivaldi 1	4C: Multiplexity -- Vivaldi 2	FAB-S1: Coral	Multidisciplinary S4: Cristal
	10:30—11:00	Coffee Break --- Vivaldi+Garden+Rossini					
	11:00—12:40	Session 5	5A: Online Behavior -- Verdi	5B: Misinformation I -- Vivaldi 1	5C: Modeling II -- Vivaldi 2	FAB-S2: Coral	Industrial Track S1: Cristal
	12:40—14:00	Lunch --- Rubi+Zafir meeting rooms					
	14:00—16:00	Session 6	6A: Misinformation II -- Verdi	6B: Opinions and Reviews -- Vivaldi 1	6C: Social Platforms -- Vivaldi 2	FAB-S3: Coral	Industrial Track S2: Cristal
	16:00—16:30	Coffee Break --- Vivaldi+Garden+Rossini					
	16:30—18:00	Panel -- Verdi -- Are We Unfit for Social Media?					
19:30—22:00	Conference Dinner						
31 st August	7:30	Registration					
	0830--0930	Plenary 4	George Karypis, University of Minnesota, USA -- Verdi Chair:				
	09:40—10:30	Session 7	7A: Violence II -- Verdi	7B: Collectives -- Vivaldi 1		HIBIBI-S1: Cristal	SAO 2018 -- Cristal
	10:30 – 11:00	Coffee Break --- Vivaldi+Garden+Rossini					
	11:00—12:40	Session 8	8A: Location -- Verdi	8B: Dynamics -- Vivaldi 1	8C: Embeddings and Learning-- Vivaldi 2	FAB-S4 Coral	SAO 2018 -- Cristal
	12:40—14:00	Lunch --- Vivaldi+Garden+Rossini					
	14:00—16:00	Session 9	9A: Ranking and Centrality -- Verdi	9B: News and Politics -- Vivaldi 1	9C: Predictive Modeling -- Vivaldi 2	FAB-S5: Coral	HIBIBI-S2: Cristal
16:10—16:3	Farewell -- Verdi						

#	Date	Time	Title	Kind	Talks	Chair
	2018-08-28	16:30-18:00	Poster Session	posters	15	
	2018-08-29	09:00-09:30	Welcome	other		
1	2018-08-29	09:30-10:30	Springer SNAM Journal Keynote - Aidong Zhang	presentations	1	Chandan Reddy
	2018-08-29	10:30-11:00	Coffee Break	coffee		
1A	2018-08-29	11:00-12:40	Community Detection and Characterization	presentations	4	Roberto Interdonato
1B	2018-08-29	11:00-12:40	Network Structure Analysis I	presentations	4	Rami Puzis
1C	2018-08-29	11:00-12:40	Violence I	presentations	4	Gizem Korkmaz
	2018-08-29	12:40-14:00	Lunch Break	lunch		
2	2018-08-29	14:00-15:00	Keynote - Emma Spiro	presentations	1	Jon Rokne
2A	2018-08-29	15:10-16:00	Modeling I	presentations	2	Vishal Sharma
2B	2018-08-29	15:10-16:00	Network Structure Analysis II	presentations	2	Nikhil Karamchandani
2C	2018-08-29	15:10-16:00	Segregation	presentations	2	Hasan Davulcu
	2018-08-29	16:00-16:30	Coffee Break	coffee		
3A	2018-08-29	16:30-18:10	Recommendation	presentations	4	Mitrios Rafailidis
3B	2018-08-29	16:30-18:10	Data Quality	presentations	4	Carmela Comito
3C	2018-08-29	16:30-18:10	Modeling Social Bots	presentations	4	Vanessa Cedeno-Mieles
3	2018-08-30	08:30-09:30	Keynote - Christoph Stadtfeld	presentations	1	Ulrik Brandes
4A	2018-08-30	09:30-10:30	Damage Characterization	presentations	2	Hemant Purohit
4B	2018-08-30	09:40-10:30	Wikipedia Analysis	presentations	2	Courtland VanDam
4C	2018-08-30	09:40-10:30	Multiplexity	presentations	2	Roberto Interdonato
	2018-08-30	10:30-11:00	Coffee Break	coffee		
5A	2018-08-30	11:00-12:40	Modeling II	presentations	4	Tyler Derr
5B	2018-08-30	11:00-12:40	Misinformation I	presentations	4	Kyumin Lee
5C	2018-08-30	11:00-12:40	Online Behavior	presentations	4	Ashok Deb
	2018-08-30	12:40-14:00	Lunch Break	lunch		
6A	2018-08-30	14:00-16:00	Opinions and Reviews	presentations	5	Hemant Purohit
6B	2018-08-30	14:00-16:00	Misinformation II	presentations	5	Sabina Tomkins
6C	2018-08-30	14:00-16:00	Social Platforms	presentations	5	Diego Perez
	2018-08-30	16:00-16:30	Coffee Break	coffee other		
	2018-08-30	16:30-17:30	Panel Discussion: Are We Unfit for Social Media?			Andrea Tagarelli
	2018-08-30	18:00-22:00	Conference Dinner			
4	2018-08-31	08:30-09:30	Keynote - George Karypis	presentations	1	Andrea Tagarelli
7A	2018-08-31	09:40-10:30	Collectives	presentations	2	Christoph Besel
7B	2018-08-31	09:40-10:30	Violence II	presentations	2	Roberto Interdonato
	2018-08-31	10:30-11:00	Coffee Break	coffee		
8A	2018-08-31	11:00-12:40	Location	presentations	4	Ahmed Mourad
8B	2018-08-31	11:00-12:40	Dynamics	presentations	4	Francesca Spezzano
8C	2018-08-31	11:00-12:40	Embeddings and Learning	presentations	4	Carl Yang
	2018-08-31	12:40-14:00	Lunch Break	lunch		
9A	2018-08-31	14:00-16:00	Ranking and Centrality	presentations	4	Tyler Derr
9B	2018-08-31	14:00-16:00	News and Politics	presentations	5	Fábio Lobato
9C	2018-08-31	14:00-16:00	Predictive Modeling	presentations	4	Sabina Tomkins
	2018-08-31	16:10-16:30	Farewell	other		

Panel

30 August 2018 @ 16:30 —18:00

Title: Are We Unfit for Social Media?

Short description:

The main theme of this panel will focus on high societal impact problems that involve OSN users and are of everyone's concern, and on the use of advanced learning toolkits to unveil solutions for such problems. These include, but are not limited to, well-being and health-related psycho-sociological problems (e.g., inclination to depression), aggression and cyberbullying, bots/human-mimicking behaviors and mirroring, dis/misinformation spread and fake news.

Panelists:

Rosa Benito, *Technical University of Madrid, Spain*

Raluca Gera, *Naval Postgraduate School, USA*

George Karypis, *University of Minnesota, USA*

Massimo Marchiori, *University of Padua, Italy*

Christoph Stadtfeld, *ETH Zürich, Switzerland*

Frans Stokman, *University of Groningen, Netherlands*

Moderator:

Andrea Tagarelli, *University of Calabria, Italy*

Draft Program of ASONAM 2018 and collocated events

Please note that dates are almost precise but time slots are tentative and may be adjusted

Tuesday, August 28th

16:00-19:00

Session 1: Posters/Demos Session Chair: Mehmet Kaya

Pravallika Devineni, Evangelos Papalexakis, Michalis Faloutsos and Kalina Michalska. MIMiS: Minimally Intrusive Mining of Smartphone User Behaviors

Zachary Stine, Tuja Khaund and Nitin Agarwal. Measuring the Information-Foraging Behaviors of Social Bots Through Word Usage

Hans Van Halteren. Language use differences between Dutch Twitter communities

Gayani Tennakoon and Richi Nayak. Discovering influence hierarchy based on frequent social interactions

Carmela Comito. Mining Pattern Similarity for Mobility Prediction in Location-based Social Networks

Alon Bartal. Analysis of the Gaza Great Return March: Modeling Influence on Posting Engagement in Online Social Networks

Roberto Interdonato, Antoine Doucet and Jean-Loup Guillaume. Unsupervised Crisis Information Extraction from Twitter Data

Abigail Paradise, Dvir Cohen, Asaf Shabtai and Rami Puzis. ProfileGen: Generation of Automatic and Realistic Artificial Profiles

Michal Vaanunu and Chen Avin. Homophily and Community Modularity Among the Most Cited Researchers' Social Network

Jennifer Golbeck and Cody Buntain. This Paper Is About Lexical Propagation on Twitter. H*ckin smart. 12/10. Would accept!

Nur Shazwani Kamarudin, Vineeth Rakesh Mohan, Ghazaleh Beigi, Lydia Manikonda and Huan Liu. Breaking the Stigma of Sexual Abuse: A Study of Reddit-User's Response to Rape

Liqiang Wang, Yafang Wang, Gerard de Melo and Gerhard Weikum. Five Shades of Untruth: Finer-Grained Classification of Fake News

Ángel F. Agudo-Peregrina, Diego Pérez, Luis C. Reyes, Martin Langberg and Martin Minnoni. What Banking and Phone Data tell us about the Socioeconomic Groups and their Consumption Patterns?

Jaehoon Oh, Injung Lee, Yeon Seonwoo, Simin Sung, Ilbong Kwon and Jae-Gil Lee TED Talk Recommender Using Speech Transcripts

Pablo Aragon, Yago Bermejo, Vicenc , Gomez, Andreas Kaltenbrunner Interactive Discovery System for Direct Democracy

Diana Cremarenco and Walid Magdy ClassStrength v2: An Adaptive Multilingual Tool for Tweet Classification

Feyzullah Kalyoncu, Engin Zeydan, Ibrahim Onuralp Yigit, and Ahmet Yildirim A Customer Complaint Analysis Tool for Mobile Network Operators

Long H. Nguyen, Akbar Siami Namin, Nicholas Alvarez, Cristina Bradatan, Rattikorn Hewett, Fang Jin WaterScope: Smart and Connected Platform for Water Resource Management

Hardik Patel, Pavlos Paraskevopoulos, Matthias Renz GeoTeGra: A System for the Creation of Knowledge Graph based on Social Network Data with Geographical and Temporal Information

Ying Zhao A Game-theoretic Lexical Link Analysis for Discovering High-value Information from Big Data

Daniel (Yue) Zhang, Jose Badilla, Herman Tong, Dong Wang An End-to-End Scalable Copyright Detection System for Online Video Sharing Platforms

Rahul Pandey, Hemant Purohit CitizenHelper-Adaptive: Expert-augmented Streaming Analytics System for Emergency Services and Humanitarian Organizations

Tanuj Joshi, Animesh Mukherjee and Girish Ippadi, One size does not fit all: Predicting product returns in e-commerce platforms

19:30 -21:30

Reception (posters and demos) -- --- Vivaldi+Garden+Rossini

Research Track

Wednesday, August 29th

09:00-09:30 **Opening Ceremony**

09:30-10:30 **Plenary I: Springer SNAM Journal Keynote**
Aidong Zhang. Network Modeling, Fusion and Analysis with Applications

10:30-11:00 **Coffee Break**

11:00-12:40 **Session 1A: Community Detection and Characterization**

11:00-11:30 Chen Luo and Anshumali Shrivastava. Jaccard Affiliation Graph (JAG) Model For Explaining Overlapping Community Behaviors

11:30-12:00 Chi Zhang and Osmar Zaiane. Detecting Local Communities in Networks with Edge Uncertainty

12:00-12:20 Shivani Shah, Jacques-Henri Sublemontier, Fatma Bouali and Gilles Venturini. ProxiClust: Data sparsification and community detection for assembly-free metagenomic binning

12:20-12:40 Hugo Hromic and Conor Hayes. Characterising and Evaluating Online Communities from Live Microblogging User Interactions

11:00-12:40 **Session 1B: Network Structure Analysis I**

11:00-11:30 Sarath Pattathil, Nikhil Karamchandani and Dhruvi Shah. Persistence of the Jordan center in Random Growing Trees

11:30-12:00 Neeraj Kavassery-Parakkat, Kiana Mousavi Hanjani and A Pavan. Improved Triangle Counting in Graph Streams: Power of Multi-Sampling

12:00-12:20 Matthias Bentert, Anne-Sophie Himmel, Hendrik Molter, Marco Morik, Rolf Niedermeier and René Saitenmacher. Listing All Maximal k-Plexes in Temporal Graphs

12:20-12:40 Carl Yang, Mengxiong Liu, Vincent W. Zheng and Jiawei Han. Node, Motif and Subgraph: Leveraging Network Functional Blocks Through Structural Convolution

11:00-12:40	Session 1C: Violence I
11:00-11:30	Sabina Tomkins, Lise Getoor, Yunfei Chen and Yi Zhang. A Socio-linguistic Model for Cyberbullying Detection
11:30-12:00	Nuha Albadi, Maram Kurdi and Shivakant Mishra. Are They Our Brothers? Analysis and Detection of Religious Hate Speech in the Arabic Twittersphere
12:00-12:20	Yue Ning, Sathappan Muthiah, Huzefa Rangwala, David Mares and Naren Ramakrishnan. When do Crowds turn Violent? Uncovering Triggers from Media
12:20-12:40	Ajitesh Srivastava, Robin Petering, Rajgopal Kannan, Eric Rice and Viktor Prasanna. How to Stop Violence among Homeless: Extension of Voter Model and Intervention Strategies
12:40-14:00	Lunch Break
14:00-15:00	Plenary II: Emma Spiro. Online Social Networks to Support Personal Health and Wellness
15:10-16:00	2A: Modeling I
15:10-15:30	Jean-Benoît Griesner, Talel Abdessalem, Hubert Naacke and Pierre Dosne. ALGeoSPF: A Hierarchical Factorization Model for POI Recommendation
15:30-15:50	Sanaz Bahargam and Evangelos Papalexakis. Constrained Coupled Matrix-Tensor Factorization and its Application in Pattern and Topic Detection
15:10-16:00	2B: Segregation
15:10-15:30	Olivier Brandouy, Philippe Mathieu and Nicolas Mauhé. Segregation in Social Networks : A Simple Schelling-like Model
15:30-16:00	Amin Salehi and Hasan Davulcu. Detecting Antagonistic and Allied Communities on Social Media
15:10-16:00	2C: Network Structure Analysis II
15:10-15:30	Muhammed Yusuf Ozkaya, A. Erdem Saryüce, Ali Pinar and Umit Catalyurek. Local Detection of Critical Nodes in Active Networks
15:30-16:00	Abdurrahman Yaşar, Bora Uçar and Ümit V. Çatalyürek. SiNA: A Scalable Iterative Network Aligner
16:00-16:30	Coffee Break

16:30-18:10	Session 3A: Recommendation
16:30-17:00	Hemant Purohit, Carlos Castillo, Muhammad Imran and Rahul Pandey. Social-EOC: Serviceability Model to Rank Social Media Requests for Emergency Operation Centers
17:00-17:30	Deqing Yang, Lihan Chen, Jiaqing Liang, Yanghua Xiao and Wei Wang. Social Tag Embedding for The Recommendation of Sparse User-item Interactions
17:30-17:50	Chaima Dhahri, Kazunori Matsumoto and Keiichiro Hoashi. Mood-Aware Music Recommendation via Adaptive Song Embedding
17:50-18:10	Kai Shu, Suhang Wang, Jiliang Tang, Yi Chang, Ping Luo and Huan Liu. Exploiting User Actions for App Recommendations
16:30-18:10	Session 3B: Data Quality
16:30-17:00	Daniel Zhang, Jose Badilla, Yang Zhang and Dong Wang. Towards Reliable Missing Truth Discovery in Online Social Media Sensing Applications
17:00-17:30	Muhammad Rizal Khaefi, Rajius Idzalika, Imaduddin Amin, Pamungkas Jutta Prahara, Yulistina Riyadi, Zakiya Pramestri, George Hodge and Jong Gun Lee. Estimating the Quality of Crowdsourced Translations based on the Characteristics of Source and Target Words and Participants
17:30-17:50	Robert Krause, Mark Huisman, Christian Steglich and Tom Snijders. Missing Network Data - A Comparison of Different Imputation Methods
17:50-18:10	Katchaguy Areekijseree and Sucheta Soundarajan. DE-Crawler: A Densification-Expansion Algorithm for Online Data Collection
16:30-18:10	Session 3C: Modeling Social Bots
16:30-17:00	Christoph Besel, Juan Echeverria and Shi Zhou. Full cycle analysis of a large-scale botnet attack on Twitter
17:00-17:30	Nikan Chavoshi and Abdullah Mueen. Model Bots, not Humans on Social Media
17:30-17:50	Ashok Deb, Anuja Majmundar, Sungyong Seo, Akira Matsui, Rajat Tandon, Shen Yan, Jon-Patrick Allem and Emilio Ferrara. Social Bots for Online Public Health Interventions
17:50-18:10	Pantelis Vikatos, Alkiviadis Savvopoulos and Fabricio Benevenuto. Socialbots' First Words: Can Automatic Chatting Improve Influence in Twitter?

Thursday, August 30th

08:30-09:30

Plenary III: Christoph Stadtfeld. The Micro-Macro Link in Social Networks

09:30-10:30

Session 4A: Damage Characterization

09:30-10:00

Xukun Li, Huaiyu Zhang, Doina Caragea and Muhammad Imran. Localizing and Quantifying Damage in Social Media Images

10:00-10:30

Shalini Priya, Manish Bhanu, Sourav Kumar Dandapat, Kripabandhu Ghosh and Joydeep Chandra. Characterizing Infrastructure Damage after Earthquake: A Split-Query based IR Approach

09:40-10:30

Session 4B: Wikipedia Analysis

09:40-10:00

Massimo Marchiori and Enrico Bonetti Vieno. Negapedia: The negative side of Wikipedia

10:00-10:30

Juergen Lerner and Alessandro Lomi. Diverse Teams Tend to Do Good Work in Wikipedia (but Jacks of All Trades Don't)

09:40-10:30

Session 4C: Multiplexity

09:40-10:00

Yao Ma, Suhang Wang and Jiliang Tang. Local and Global Information Preserved Network Embedding

10:00-10:30

Tanay Mehta, Ravi Sundaram, Auroop Ganguly and Devesh Tiwari. Resilience and the Coevolution of Interdependent Multiplex Networks

10:30-11:00

Coffee Break

11:00-12:40

Session 5A: Online Behavior

11:00-11:30

Reza Motamedi, Saed Rezayi, Reza Rejaie and Walter Willinger. Unveiling Social Characteristics of Twitter Elite Network

11:30-12:00

Hridoy Sankar Dutta, Aditya Chetan, Brihi Joshi and Tanmoy Chakraborty. Retweet Us, We Will Retweet You: Spotting Collusive Retweeters Involved in Blackmarket Services

12:00-12:20

Raazesh Sainudiin, Kumar Yogeewaran, Kyle Nash and Rania Sahioun. Rejecting the Null Hypothesis of Apathetic Retweeting of US politicians and SPLC-defined Hate Groups in the 2016 US Presidential Election

12:20-12:40

Tao Ding, Warren Bickel and Shimei Pan. Predicting Delay Discounting from Social Media Likes with Unsupervised Feature Learning

11:00-12:40	Session 5B: Misinformation I
11:00-11:30	Adam Badawy, Emilio Ferrara and Kristina Lerman. Analyzing the Digital Traces of Political Manipulation: The 2016 Russian Interference Twitter Campaign
11:30-12:00	Huiling Zhang, Alan Kuhnle, J David Smith and My T. Thai. Fight under Uncertainty: Restraining Misinformation and Pushing out the Truth
12:00-12:20	Stefan Helmstetter and Heiko Paulheim. Weakly Supervised Learning for Fake News Detection on Twitter
12:20-12:40	Shashank Gupta, Raghuv eer Thirukovalluru, Manjira Sinha and Sandya Mannarswamy. CIMTDetect: A Community Infused Matrix-Tensor Coupled Factorization Based Method for Fake News Detection
11:00-12:40	Session 5C: Modeling II
11:00-11:30	Omar El-Daghar, Erik Lundberg and Robert Bridges. EGBTER: Capturing degree distribution, clustering coefficients, and community structure in a single random graph model
11:30-12:00	Ming Cao, Yong Chen, Kayo Fujimoto and Michael Schweinberger. A two-stage working model strategy for network analysis under Hierarchical Exponential Random Graph Models
12:00-12:20	Shambavi Sadayappan and Ian Mcculloh. Evaluation Political Party Cohesion Using Exponential Random Graph Modeling
12:20-12:40	Yeshwanth Balachander and Teng-Sheng Moh. Ontology Based Technical Skill Similarity
12:40-14:00	Lunch Break
14:00-16:00	Session 6A: Misinformation II
14:00-14:30	Ahmet Durahim and Cennet Merve Yilmaz. SPR2EP: A Semi-Supervised Spam Review Detection Framework
14:30-15:00	Hamid Karimi, Courtland Vandam, Liyang Ye and Jiliang Tang. End-to-End Compromised Account Detection
15:00-15:20	Gisel Bastidas, Sara Abdali, Neil Shah and Evangelos E. Papalexakis. Semi-supervised Content-based Detection of Misinformation via Tensor Embeddings
15:20-15:40	Hawre Hosseini, Tam Nguyen and Ebrahim Bagheri. Implicit Entity Linking through Ad-hoc Retrieval
15:40-16:00	Ridho Reinanda, Edgar Meij, Joshua Pantony and Jonathan Dorando. Related Entity Finding on Highly-heterogeneous Knowledge Graphs

14:00-16:00	Session 6B: Opinions and Reviews
14:00-14:30	Soheil Jamshidi, Reza Rejaie and Jun Li. Trojan Horses in Amazon's Castle: Understanding the Incentivized Online Reviews
14:30-15:00	Miao Fan, Yue Feng, Mingming Sun, Ping Li, Haifeng Wang and Jianmin Wang. Multi-Task Neural Learning Architecture for End-to-End Identification of Helpful Reviews
15:00-15:20	Chuqin Li, Xi Niu, Ahmad Al-Doulat and Noseong Park. A Computational Approach to Finding Contradictions in User Opinionated Text
15:20-15:40	Vishal Sharma and Kyumin Lee. Predicting Highly Rated Crowdfunded Products
15:40-16:00	Tyler Derr, Zhiwei Wang and Jiliang Tang. Opinions Power Opinions: Joint Link and Interaction Polarity Predictions in Signed Networks
14:00-16:00	Session 6C: Social Platforms
14:00-14:30	Daniel Zhang, Qi Li, Herman Tong, Jose Badilla, Yang Zhang and Dong Wang. Crowdsourcing-based Copyright Infringement Detection in Live Video Streams
14:30-15:00	Nikolaos Lykousas, Vicenç Gómez and Constantinos Patsakis. Adult content in Social Live Streaming Services: Characterizing deviant users and relationships
15:00-15:20	Lucas Vinícius Caldas, Antonio Jacob Junior, Simone Souza, Fernando Pontes and Fábio Lobato. Development of Social Network for ResearchSupport and Individual Well-being Improvement
15:20-15:40	Neema Kotonya, Paolo De Cristofaro and Emiliano De Cristofaro. Of Wines and Reviews: Measuring and Modeling the Vivino Wine Social Network
15:40-16:00	Muhammad Rizal Khaefi, Zakiya Pramestri, George Hodge, Imaduddin Amin and Jong Gun Lee. Nowcasting Air Quality by Fusing Meteorological Data, Insights from Satellite Imagery and Photos Shared on Social Media using Deep Learning
16:00-16:30	Coffee Break
16:30-18:00	Panel Discussion: Are We Unfit for Social Media?
19:30-22:00	Conference Dinner

Friday, August 31st

08:30-09:30

Plenary IV: George Karypis. Learning Analytics - Improving Higher Education

09:40-10:30

Session 7A: Violence II

09:40-10:00

Aparup Khatua, Erik Cambria and Apalak Khatua. Sounds of Silence Breakers: Exploring Gender Violence on Twitter

10:00-10:30

Mengfan Yao, Charalampos Chelmiss and Daphney-Stavroula Zois. Cyberbullying Detection on Instagram with Optimal Online Feature Selection

09:40-10:30

Session 7B: Collectives

09:40-10:00

Gizem Korkmaz, Chris Kuhlman, Joshua Goldstein and Fernando Vega-Redondo. A Model of Homophily, Common Knowledge and Collective Action through Facebook

10:00-10:30

Yihui Ren, Vanessa Cedeno-Mieles, Zhihao Hu, Xinwei Deng, Abhjijin Adiga, Christopher Barrett, Noshir Contractor, Saliya Ekanayake, Joshua Epstein, Brian Goode, Gizem Korkmaz, Christopher Kuhlman, Dustin Machi, Michael Macy, Madhav Marathe, Naren Ramakrishnan, Sekharipuram Ravi, Parang Saraf and Nathan Self. Generative Modeling of Human Behavior and Social Interactions Using Abductive Analysis

10:30-11:00

Coffee Break

11:00-12:40

Session 8A: Location

11:00-11:30

Dimitrios Rafailidis and Fabio Crestani. Friend Recommendation in Location-based Social Networks via Deep Pairwise Learning

11:30-12:00

Hengtong Zhang, Fenglong Ma, Yaliang Li, Chao Zhang, Tianqi Wang, Yaqing Wang, Jing Gao and Lu Su. Leveraging the Power of Informative Users for Local Event Detection

12:00-12:20

Ahmed Mourad, Falk Scholer, Walid Magdy and Mark Sanderson. How Well Did You Locate Me? Effective Evaluation of Twitter User Geolocation

12:20-12:40

Yu-Cheng Lin, Chun-Ming Lai, Jon William Chapman, Shyhtsun Felix Wu and George A. Barnett. Geolocation Identification and Localization of Facebook Pages

11:00-12:40

Session 8B: Dynamics

11:00-11:30

Chainarong Amornbunchornvej and Tanya Berger-Wolf. Mining and Modeling Complex Leadership Dynamics of Movement data

11:30-12:00

Guillaume Salha, Nikolaos Tziortziotis and Michalis Vazirgiannis. Adaptive Submodular Influence Maximization with Myopic Feedback

12:00-12:20

Mohan Timilsina. A 2-Layered Graph Based Diffusion Approach for Altmetric Analysis

12:20-12:40

Gabriel Barina, Mihai Udrescu, Alexandru Topirceanu and Mircea Vladutiu. Simulating payoff distribution in networks of economic agents

11:00-12:40	Session 8C: Embeddings and Learning
11:00-11:30	Courtland Vandam, Pang-Ning Tan, Jiliang Tang and Hamid Karimi. CADET: A Multi-View Learning Framework for Compromised Account Detection on Twitter
11:30-12:00	Elaheh Raisi and Bert Huang. Weakly Supervised Cyberbullying Detection using Co-trained Ensembles of Embedding Models
12:00-12:20	Soumya Sarkar, Aditya Bhagwat and Animesh Mukherjee. Core2Vec: A core-preserving feature learning framework for networks
12:20-12:40	Saba Al-Sayouri, Ekta Gujral, Danai Koutra, Evangelos Papalexakis and Sarah Lam. t-PINE: Tensor-based Predictable and Interpretable Node Embeddings
12:40-14:00	Lunch Break
14:00-16:00	Session 9A: Ranking and Centrality
14:00-14:30	Abdelmalek Habi, Brice Effantin and Hamamache Kheddouci. Fast top-k search with relaxed graph simulation
14:30-15:00	Hesam Salehian, Surender Yerva and Iman Barjasteh. A Deep Multi-Modal Pairwise Ranking Model for Crowdsourced Food Data
15:00-15:20	Gizem Korkmaz, Claire Kelling, Carol Robbins and Sallie Keller. Measuring the Impact of R Packages Using Dependency and Contributor Networks
15:20-15:40	Christoph Martin and Peter Niemeyer. An Approach for Quantifying the Impact of Measurement Errors on Centrality Measures
14:00-16:00	Session 9B: News and Politics
14:00-14:30	Lucas Lima, Julio Reis, Philippe Melo, Fabricio Murai, Leandro Araújo, Pantelis Vikatos and Fabricio Benevenuto. Inside the Right-Leaning Echo Chambers: Characterizing Gab, an Unmoderated Social System
14:30-15:00	Josemar A. Caetano, Jussara Almeida and Humberto T. Marques-Neto. Characterizing Politically Engaged Users' Behavior during the 2016 US Presidential Campaign
15:00-15:20	Obaida Hanteer, Luca Rossi, Davide Vega and Matteo Magnani. From interaction to participation: the role of the imagined audience in social media community detection and an application to political communication on Twitter
15:20-15:40	Praboda Rajapaksha, Reza Farahbakhsh, Noel Crespi and Bruno Defude. Inspecting Interactions: Online News Media Synergies in Social Media
15:40-16:00	Abhijnan Chakraborty and Niloy Ganguly. Analyzing the News Coverage of Personalized Newspapers

14:00-16:00

Session 9C: Predictive Modeling

14:00-14:30

118 Laxmi Amulya Gundala and Francesca Spezzano. A Framework for Predicting Links between Indirectly Interacting Nodes
Ying Lin, Joe Hoover, Gwentyth Portillo-Wightman, Christina Park, Morteza Dehghani and Heng Ji.

14:30-15:00

282 Acquiring Background Knowledge to Improve Moral Value Prediction

15:00-15:20

117 Farzan Masrour, Pang-Ning Tan, Abdol-Hossein Esfahanian and Courtland Vandam. Attributed
Network Representation Learning Approaches for Link Prediction

15:20-15:40

141 Ian Crandell and Gizem Korkmaz. Link Prediction in the Criminal Network of Albuquerque

16:10-16:30

Farewell

Industrial Track

30-Aug-18 Session 1

Multi-task Learning for Transit Service Disruption Detection

A Nonnegative Matrix Factorization Approach for Multiple Local Community Detection

Product Popularity Modeling via Time Series Embedding

How Humans versus Bots React to Deceptive and Trusted News Sources: A Case Study of Active Users

30-Aug-18 Session 2

Analyzing behavioral trends in community driven discussion platforms like Reddit

A Lens into Employee Peer Reviews via Sentiment-Aspect Modeling

A framework for enterprise social network assessment and weak ties recommendation

A Food Venue Recommender System based on Multilingual Geo-tagged Tweet Analysis

PhD Track

Chair: Tansel Ozyer

Christos Sardianos, Iraklis Varlamis and Grigoris Bouras

Extracting user habits from Google maps history logs

Samuel Oliver Stern, Robert Elliott Smith, David Tuckett and Rickard Nyman

Measuring The Influencers In The News Media's Narratives

Mena Samy and Abeer Elkorany

Using Semantic Features For Enhancing Car Pooling System

Ramy Hanafy, Soha Makady and Abeer Elkorany

Using Link Analysis of Academic Social Network to Enhance Trustability

Program for MDT – ASONAM’2018

Session 1: Aug. 29, 11 -12:40 (25 minutes * 4)	
Mohamed Bouguessa and Amani Chouchane	A Statistical Framework for Handling Network Anomalies
Samuel Martin-Gutierrez, Juan Carlos Losada and Rosa M. Benito	Automatization of training set construction for supervised sentiment analysis in political contexts
Yi-Chun Huang and Yun-Shang Chiou	Transformation and commonality of spatial organization of Christian church by social network analysis
Eunsoo Sohn, Kyung-Ran Noh, Bangrae Lee and Oh-Jin Kwon	Bibliometric Network Analysis and Visualization of Research and Development Trends in Precision Medicine
Session 2: Aug. 29 – 15:00 to 16:00 (30mn * 2)	
Christophe Thovex	Deep Probabilistic Learning in Hidden Social Networks and Facsimile Detection
Abhinav Maurya and Mark Cheung	Contrastive Structured Anomaly Detection for Gaussian Graphical Models
Session 3: Aug. 29, 16:30 -18:10 (25 minutes * 4)	
Gunjan Sehgal, Kiran Sharma, Arnab Chatterjee and Anirban Chakraborti	Spatio-temporal networks of social conflicts: analysis and modeling
Paolo Casani, Hayate Iso, Shoko Wakamiya and Eiji Aramaki	Wisdom in adversity: a twitter study of the Japanese Tsunami
Sugyo Han, Zongmuk Yoon and Joongseek Lee	A Multi-method Approach to Activities of ‘Photaku’: Photo-taking Fans in the Korean Entertainment Industry
Chaminda Bulumulla, Jeffrey Chan and Lin Padgham	Enhancing diffusion models by embedding cognitive reasoning
Session 4: Aug. 30, 9:30 to 10:30 (20 mn * 3).	
Miguel Rebollo, Rosa M. Benito, Juan Carlos Losada and Javier Galeano	Robust Distributed Voting Mechanism by Consensus
Gastón Olivares Fernández, Juan Pablo Cárdenas, Juan Carlos Losada and Rosa María Benito	Scientific knowledge construction. A proposal of a prognostic model based on disciplinary complement networks.
Dany Perwita Sari and Yun-Shang Chiou	Applying Social Network Analysis on the Transformation of Houses in Central Java, Indonesia: A case study of three categories of the housing between 1920-2010

FOSINT-SI 2018 Program

Wednesday, August 29	
07:30	Registration
09:00	Opening Session
09:30	ASONAM 2018 - Plenary 1
10:30	Coffee Break
11:00	Session 1 Chair: Andrew Park Room: Coral
Regular Paper	Inferring Bad Entities through the Panama Papers Network Mikel Joaristi, Edoardo Serra and Francesca Spezzano
Regular Paper	Information Requirements for National Level Cyber Situational Awareness Stefan Varga, Joel Brynielsson and Ulrik Franke
Regular Paper	DroidEye: Fortifying Security of Learning-based Classifier against Adversarial Android Malware Attacks Lingwei Chen, Shifu Hou, Yanfang Ye and Shouhuai Xu
Short Paper	Classification of Short-Texts Generated During Disasters: A Deep Neural Network Based Approach Shamik Kundu, Srijith P.K and Maunendra Sankar Desarkar
Short Paper	Analyzing Social and Communication Network Structures of Social Bots and Humans Tuja Khaund, Kiran Kumar Bandeli, Muhammad Nihal Hussain, Adewale Obadimu, Samer Al-Khateeb and Nitin Agarwal
12:45	Lunch Break
14:00	ASONAM 2018 - Plenary 2
15:00	Session 2 Chair: Joel Brynielsson Room: Coral
	Panagiotis Papadimitratos (KTH) Title: TBA
16:00	Coffee Break
16:30	Session 3 Chair: Francesca Spezzano Room: Coral
Regular Paper	Hackers Hedging Bets: A Cross-Community Analysis of Three Online Hacking Forums Andrew Park, Richard Frank, Alexander Mikhaylov and Myf Thomson
Regular Paper	Biases in the Facebook News Feed: a Case Study on the Italian Elections Eduardo Hargreaves, Claudio Agosti, Daniel Menasché, Giovanni Neglia, Alexandre Reiffers-Masson and Eitan Altman
Regular Paper	Unknown Landscape Identification with CNN Transfer Learning Edoardo Serra, Ashish Sharma, Mikel Joaristi and Oxana Korzh
Short Paper	On the Development of Entity-centric Timeline Extraction Tool Jakub Piskorski and Vanni Zavarella
Regular Paper	Bot Conversations are Different: Leveraging Network Metrics for Bot Detection in Twitter David Beskow and Kathleen Carley

FAB PROGRAM

Session 1: Social Network Applications Chair: Panagiotis Karampelas	
Social network mining for recommendation of friends based on music interests	Carson Leung and Jennifer Tran
Clickstream analytics: An experimental analysis of the Amazon users' simulated monthly traffic	Konstantinos Xylogiannopoulos, Panagiotis Karampelas and Reda Alhadj
Transactional database analysis by discovering pairwise interactions strengths	Mauricio Valle, Gonzalo Ruz and Sergio Rica

Session 2: Social Network Applications Chair: Konstantinos Xylogiannopoulos	
Exploring the Network Dynamics in a Flipped Classroom	Fang-Ling Lin and Chyi-In Wu
Revealing Political Sentiment with Twitter: The Case Study of the 2016 Italian Constitutional Referendum	Enrico Caldarola and Marco Campanale
A Generalized Fractional Program for Maximizing Content Popularity in Online Social Networks	Alexandre Reiffers, Yezekael Hayel, Eitan Altman and Guillaume Marrel

Session 3: Machine Learning Methods Chair: Mehmet Kaya	
K-Truss Decomposition of Large Networks on a Single Consumer-Grade Machine	Jian Wu, Alison Goshulak, Venkatesh Srinivasan and Alex Thomo
From Data Points to Data Curves: A New Approach on Big Data Curves Clustering	Konstantinos Xylogiannopoulos
Interactive Kernel Dimension Alternative Clustering on GPUs	Xiangyu Li, Chieh Wu, Shi Dong, Jennifer Dy and David Kaeli
Fine-Grained Object Detection	Rahul Dalal and Teng-Sheng Moh
Efficient transfer learning for neural network language models	Jacek Skryzalin, Hamilton Link, Jeremy Wendt, Richard Field, and Samuel N. Richter

Session 4: Recommendation and Pattern Detection Chair: Faruk Polat	
Outfit Recommender System	Nikita Ramesh and Teng-Sheng Moh
A Paper Recommendation System Based on User's Research Interests	Betül Bulut, Buket Kaya, Reda Alhadj and Mehmet Kaya
Mining of 'following' patterns from big and evenly sparse social networks	Carson Leung, Ryan Middleton and Adam Pazdor
Mining Individual Features to Enhance Link Prediction Efficiency in Location Based Social Networks	Ahmet Engin Bayrak and Faruk Polat.
High-Quality Disjoint and Overlapping Community Structure in Large-Scale Complex Networks	Eduar Castrillo, Elizabeth Leon and Jonatan Gomez

Session 5: Pattern Detection and Prediction Chair: Ahmet Mungen	
Event Detection by Change Tracking on Community Structure of Temporal Networks	Riza Aktunc, Ismail Toroslu and Pinar Karagoz
A Clickbait Detection Method on News Sites	Ayşe Geçkil, Ahmet Anıl Mungen, Esra Gündoğan and Mehmet Kaya
Text mining for plagiarism detection: Multivariate pattern detection for recognition of text similarities	Konstantinos Xylogiannopoulos, Panagiotis Karampelas and Reda Alhadj
A Parallel Community Detection Algorithm based on Incremental Clustering in Dynamic Network	Cuiyun Zhang, Bin Wu and Yunlei Zhang

HI-BI-BI

Session 1: Data Analysis and Machine Learning

Chair: Jalal Kawash

1. Hengyi Hu and Larry Kerschberg Evolving Medical Ontologies based on Causal Inference
2. Jordi Conesa, David Gañan, Antoni Perez-Navarro, Rubén Nieto, Francesc Saigí and Beatriz Sora Positive Cognitive restructuring through an App based on context messages
3. Carmela Comito, Agostino Forestiero and Clara Pizzuti Improving Influenza Forecasting with Web-based Social Data
4. Aseel Addawood Scientific Credibility Behind MMR Vaccination Debates on Twitter

Session 2: Bioinformatics Applications

Chair: Tansel Ozyer

1. Giovanni Delnevo, Silvia Mirri, Lorenzo Monti, Catia Prandi, Manesha Putra, Marco Rocchetti, Paola Salomoni and Robert J. Sokol Patients Reactions to Non-Invasive and Invasive Prenatal Tests: a Machine-based Analysis from Reddit Posts
2. Wilbert Sibanda and Zhongheng Zhang Application of Eye-Tracking Technology to Predict Concentration on HIV Campaigns Among Students in South Africa
3. Khalid Malik, Madan Krishnamurthy, Pawel Marcinek and Ghaus Malik Impact of Size, Location, Symptomatic-nature and Gender on the Rupture of Saccular Intracranial Aneurysm : A Retrospective Study
4. Hüseyin Vural, Buket Kaya, Mehmet Kaya and Reda Alhajj Prediction of New Potential MicroRNAs-Environmental Factor Associations Based on KATZ Measure

MSNDS 2018 Workshop Program

The 9th International Workshop on Mining and Analyzing Social Networks for Decision Support (MSNDS 2018)

Part of IEEE/ACM ASONAM 2018

Tuesday, 28 August, 2018
Crown Plaza, Barcelona, Spain

8:30-10:00 (Coral)	Mining and Analyzing Social Networks for Decision Support (MSNDS 2018) Workshop Session 1 Chair: Min-Yuh Day
	Shortest Path Distance Approximation using Deep learning Techniques Fatemeh Salehi Rizi, Jörg Schlötterer and Michael Granitzer
	Exploring the Management of Government Social Media - studies from the Facebook Fan Pages in Taiwan Ying Hsun Hung, Wen Kuo Chen and Seng-Cho T. Chou
	Elections and the Twitter community: the case of right-wing and left-wing primaries for the 2017 French Presidential election Karina Sokolova and Charles Perez
	AI Robo-Advisor with Big Data Analytics for Financial Services Min-Yuh Day, Tun-Kung Cheng and Jheng-Gang Li
	Individual-level Social Capital in Weighted and Attributed Social Networks Rajesh Sharma, Kevin McAreavey, Jun Hong and Faisal Ghaffar
10:00-10:30	Coffee Break (Vivaldi+Garden+Rossini)
10:30-12:00 (Coral)	Mining and Analyzing Social Networks for Decision Support (MSNDS 2018) Workshop Session 2 Chair: Jalal Kawash
	Influencing Information Spreading Processes in Complex Networks with Probability Spraying Artur Karczmarczyk, Kamil Bortko, Piotr Bartków, Patryk Pazura and Jaroslaw Jankowski
	SemanPhone: Combining Semantic and Phonetic Word Association in Verbal Learning Context Lu Jiyan, Panos Kostakos, Mourad Oussalah and Susanna Pirttikangas
	The Inclusion Measure for Community Evaluation and Detection in Unweighted Networks Nikolaos Koufos and Aristidis Likas
	Artificial Intelligence For Conversational Robo-Advisor Min-Yuh Day, Jian-Ting Lin, and Yuan-Chih Chen
	Building a Benchmark for Evaluating Link Prediction Methods Junyan Xiao, Peng Wang and Yue Meng



Social Network Analysis Surveillance Technologies 2018

Third International Workshop

Crowne Plaza Hotel, Barcelona, Spain

Thursday 28 August 2018

Final Workshop Program

Workshop Chairs:

Panagiotis Karampelas, Hellenic Air Force Academy (Greece)

Thirimachos Bourlai, West Virginia University (USA)

Session 1 @ Cristal

Chair:	<i>Thirimachos Bourlai</i>
10:30-10:40	Opening Remarks
10:40-11:00	<i>Yanfang Ye, Yiming Zhang, Yujie Fan, Shifu Hou, Jian Liu and Thirimachos Bourlai</i> "iDetector: Automate Underground Forum Analysis Based on Heterogeneous Information Network"
11:00-11:20	<i>Panos Kostakos, Markus Nykänen, Mikael Martinviita, Abhinay Pandya and Mourad Oussalah</i> "Meta-Terrorism: identifying linguistic patterns in public discourse after an attack"
11:20-11:40	<i>Ioanna Lekea and Panagiotis Karampelas</i> "Detecting Hate Speech within the Terrorist Argument: A Greek Case"
11:40-12:00	<i>Muhammad Nihal Hussain, Samer Al-Khateeb, Serpil Tokdemir and Nitin Agarwal</i> "Analyzing Disinformation and Crowd Manipulation Tactics on YouTube"

Lunch @ Vivaldi+Garden+Rossini

12:00-13:30	Break
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Session 2 @ Cristal

Chair:	<i>Panagiotis Karampelas</i>
13:30-13:50	<i>Panos Kostakos, Lucie Špráchalová, Abhinay Pandya, Mohamed Aboeleinen and Mourad Oussalah</i> “Covert online ethnography and machine learning for detecting individuals at risk of being drawn into online sex work”
13:50-14:10	<i>Rey C. Rodriguez and Ma Regina Justina E. Estuar</i> “Social Network Analysis of a Disaster Behavior Network: An Agent-Based Modeling Approach”
14:10-14:30	<i>Vasileios Mavroeidis, Kameer Vishi and Audun Jøsang</i> “A Framework for Physical Security and Insider Threat Detection”
14:30-14:50	<i>Oluwaseun Ajao, Deepayan Bhowmik and Shahrzad Zargari</i> “Content Aware Tweet Location Inference using Quadtree Spatial Partitioning and Jaccard-Cosine Word Embedding”
14:50-15:10	<i>Susan El-Naggar, Ayman Abaza and Thirimachos Bourlai</i> “Ear Detection in the Wild using Faster R-CNN Deep Learning”
15:10-15:30	<i>Siddharth Sharma and Antwan Clark</i> “Introducing a Reliability Analysis Framework for High Performance Computing Environments”

The International Workshop on Multilayer and Heterogeneous Information Network (MAHIN 2018)

Sajad Ahmadian, Nima Joorabloo, Mahdi Jalili, Majid Meghdadi, Mohsen Afsharchi and Yongli Ren

A Temporal Clustering Approach for Social Recommender Systems

Ying Zhao

Multilayer Value Metrics Using Lexical Link Analysis and Game Theory for Discovering Innovation from Big Data and Crowd-sourcing

Akrati Saxena, Raluca Gera, Ryan Miller and Tanmoy Chakraborty

Discovering and leveraging communities in dark multi-layered networks for network disruption

Jaya Lakshmi Tangirala and Durga Bhavani

Link Prediction Measures in Various Types of Information Networks : A Review

The 7th International Workshop on Social Network Analysis in Applications (SNAA 2018)

Ashwin Bahulkar, Boleslaw K. Szymanski, Nail O. Baycik and Thomas C. Sharkey

Community Detection with Edge Augmentation in Criminal Networks

Raluca Gera and Ruriko Yoshida

Network Similarity using Distribution of Distance Matrices

Bálint J. Tóth, Gergely Palla, Enys Mones, Gergő Havadi, Nóra Páll, Péter Pollner and Tamás Vicsek

Emergence of leader-follower hierarchy among players in an on-line experiment

Zulfikar Alom, Barbara Carminati and Elena Ferrari

Detecting spam accounts on Twitter

Leonid Bunimovich, Chi-Jen Wang, Seokjoo Chae and Benjamin Webb

Uncovering Hierarchical Structure in Social Networks Using Isospectral Reductions

Anna Zygmunt, Jarosław Koźlak and Bogdan Gliwa

Roles in local communities and global position in social media

The 4th International Workshop on Dynamics on and of Networks (DYNO 2018)

Alexandru Topirceanu and Mihai Udrescu	Topological Fragility versus Antifragility: Understanding the Impact of Real-time Repairs in Networks Under Targeted Attacks
Qasim Pasta and Faraz Zaidi	Model to Generate Benchmark Graphs Based on Evolution Dynamics
Vladimir Marbukh	Network Formation by Contagion Averse Agents: Modeling Bounded Rationality with Logit Learning
Sam De Winter, Tim Decuyper, Sandra Mitrovic, Bart Baesens and Jochen De Weerd	Combining Temporal Aspects of Dynamic Networks with Node2Vec for a more Efficient Dynamic Link Prediction

The International Workshop on Social Influence (SI 2018)

Ee Hong Aw, Raluca Gera, Kenneth Hicks, Nicholas Koeppen and Christopher Teska	Analyzing Preferential Attachment in Peer-to-Peer BITCOIN Networks
Ashwin Bahulkar, Boleslaw Szymanski, Omar Lizardo and Kevin Chan	Impact of Attributes on Group Formation
Casey Doyle, Alex Meandzija, Gyorgy Korniss, Boleslaw Szymanski, Derrick Asher and Elizabeth Bowman	Mining personal media thresholds for opinion dynamics and social influence
Christine Marshall, James Cruickshank, Colm O'Riordan	Identifying Influential Nodes to Inhibit Bootstrap Percolation on Hyperbolic Networks

Barcelona, Spain, 31 August 2018

***The First ASONAM Workshop on Social Human Behaviour
Analysis through Online Social Networks and Media***

<http://cnd.iit.cnr.it/sao2018/>

Technical Program

09:30 – 10:30 Session One

09:30 – 10:10 Keynote Talk

Andreas Kaltenbrunner,

Director, Data Analytics, NTENT

Lecturer, Data Driven Social Analytics, UPF, Barcelona, Spain

**Two aspects of measuring human behavior through social media:
possibilities and limits**

10:10 – 10:35

On the Temporal Emergence of Message Exchange Motifs for Human-Bot
Interaction in Multilayer Networks During Riot Events

Ema Kusen, Mark Strembeck

10:35 – 11:00 Coffee Break

11:00 – 12:40 Session Two

Feature-rich Ego-network Circles in Mobile Phone Graphs: Tie Multiplexity and the
Role of Alters

Christian Quadri, Matteo Zignani, Sabrina Gaito and Gian Paolo Rossi

Followee Management: Helping users follow the right users on Online Social
Media

*Anjali Verma, Ashima Wadhwa, Navya Singh, Shivangi Beniwal, Rishabh Kaushaly
and Ponnurangam Kumaraguru*

Correlating NBA team network centrality measures with game performance

Adam Reed, John Piorkowski, Ian McCulloh

(short paper)

SCCD: Social Capital-Driven Career Development Framework

*Faisal Ghaffar, Teodora Sandra Buda, and Haytham Assem, Armita Afsharinejad,
Neil Hurley*